

Y	INTERNATIONAL TECHNOLOGY CORPORATION	•
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### · P. OPERATION SHEETS

ATTACHMENT B:

OPERATION STATUS SHEET 13 PAGES

4-21-88 Date:\_ aker Line Inspection Inspect Inspect Inspect To be inspected every fou Time Initial Initial Time Time hours any time liquid is pur 1750 1945 through the Baker pipelin 845 Pand Pumping Pond Time Off | Time On Time Off Time On | Time On Destin. Destin. Time Off Des 100 101 1800 105 10900 102A 102B 103 0930 104 17925 105 106 ACID NEUTRALIZATION TANK PUMPING TO PONDS ALL OTHERS LISTED ON TANK PROCCESSING RECORD Enk # Pumped To | Bbls | On Time Off | pH | Norm. | Phenol Sulfide Od CEQUIPMENT USAGE Send Actual Hours Time Time TILL GIDISI Day | Swing | Grave | On | Off | On | Off Reason for Downtime Init alid/Solvent mit. Solvent Process : 1 Separator im. Incinerator 1 CAKBON 1818181 RUN Incinerator Outside Purchases - Used by Shift -Inventory 300 Min. Inventory Received Day | Swing | Grave | vdrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) 441 500 93 errous Sulfate (FeSOA) 10 esel Fuel Tk25A 35 - 1 esel Fuel bulk Tank 300 trogen  $(N_2)$ odium Bicarbonate (NaMCO) 12 lcium Chloride (CaCL2) 22 4 neyron Detergent oda Ash (NacCO3) - 15 - en scot 29 laustic 215A (NaOH) 1,000 odium Sulfide (NapS) drums Sodium Sulfide (Nags) bag 50 indium Merahisulfide (NaSads) AL ABSENTEES Swing Grave Dav NONE

COMMENTS INCLUDE UNUSUAL OCCURRENCES VISITORS, OUTSIDE SERVICE)



# 7. OPERATIONS STATUS SHEETS

Date: 4/-23-88

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## ?. OPERATIONS STATUS SHEETS

4/26/88

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# T. OPERATIONS STAT 5 SHEETS

05-9-88

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# 1.... OPERATIONS STAT )S SHEETS

5-23-88

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### 1) OPERATIONS STAT )S SHEETS

5-24-88

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## 1.). OPERATIONS STAT JS SHEETS

Date: 5-24.48

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# OPERATIONS STAT )S SHEETS

5-26-88

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## 7.... OPERATIONS STAT )S SHEETS

5-27-88

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## T.... OPERATIONS STAT JS SHEETS

Date: 6/32/88

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# T.r. PERATIONS STATUS SHEETS

Date: 6/21/88

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# T... PERATIONS STATUS SHEETS

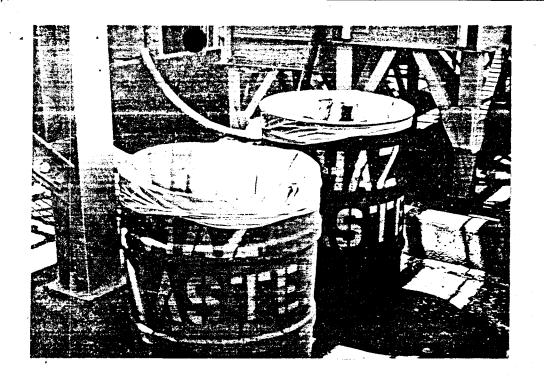
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															throu	gh the Baker	pipeline.
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				Day	Swing	Grave			inve	nton	/ 30	0			Min.	Inventory Re	eceived
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errous Su		<u>04)                                    </u>		/	<del> </del>	<u> </u>	<u> </u>			9	٧_	- ~			<del></del>	<del></del>	80 bag
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	Bicarbonate	(Nauco	515		<del>                                     </del>	<del> </del>	┼─				<u> </u>					•	80 Pac
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Chevron D		<u> </u>	1	<del>                                     </del>			1			<u></u>	Z	/				<del></del>	¥₂ đrù
Soda Ash	(Na <sub>2</sub> CO <sub>3</sub> )			1							4	Z		.:			-15 bag
ropane				7								<u> </u>					2 cylinde
Salt			_ _		<u> </u>		┦				ايم ر	-	577				15 bao
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VII. COM	MENTS (INCL	TODE DV	105	UAL	UUUUH	HENCE	<u>ა. V</u> I	1011	UND.	וטטו	DIL	ノニ	DEHV	ILE)			

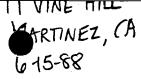
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ر	Š.	INTERNATIONAL TECHNOLOGY CORPORATION	
_		CARLONALION	

# T... PERATIONS STATUS SHEETS

6/19/88 Date:\_\_\_ Baker Line Inspection Inspect Inspect Inspect To be inspected every four Time Initial Time Initial Time Initial hours any time liquid is pumped through the Baker pipeline. Pend Pumpina Time On Pond Time On Time Off Destin. Time On Time Off Destin. Time Off I Destin 100 **E** 101 ~ 900 101 Coul 102A . 102B 103 104 105 105 Cores 106 101 Cours ACID NEUTRALIZATION TANK PUMPING TO PONDS ALL OTHERS LISTED ON TANK PROCCESSING RECORD Pumped To Bbis | On Time Off | Tank # pН Norm. Phenol Sulfide Odor V. EQUIPMENT USAGE Send Actual Hours Time Time TINU On Off GIDISI Swing | Grave | On Off Reason for Downtime Initial olid/Solvent Amt. Solvent Process Dil Separator Sm. Incinerator \* CARBON 171-0 विव्यक्त o. Incinerator /. Outside Purchases - Used by Shift . Inventory 300 Min. Inventory Received Day | Swing | Grave varogen Peroxide (H2O2) 46" 2 Lind errous Sulfate (FeSOW) 09 80 baos 315" iesel Fuel Tk25A 1 ft. iesel Fuel Bulk Tank 15 Jr. c. 1. litrogen (N<sub>2</sub>) 2 ft. Sodium Bicarbonate (NaHCO) 50903 alcium Chloride (CaCL2) 80500 hevron Detergent ⅓ drů: oda Ash (Na 2003) 15 bags ropane 2 culinder 15 baos alt Caustic 215A (NaOH) 7++ odium Sulfide (NagS) drums 1 drum Sodium Sulfide (Naps) bag 80 bag! 80 bags odium Metahisulfide (NaS-Os) VI. ABSENTEES Grave Swing Day mo VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)







CONTAINERS LABELLED

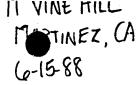
HAZARDOUS WASTE;

CINTAINED CINTAMINATED

BOOTS, TYVEKS, PAPER 
NO LIDS.

LOCATED NEAR TANK FARM





CONTAINER LABELLED

HAZARDOUS WASTE'; CONTAINED

CONTAMINATED BOOTS, TYVEKS,

GLOVES - NO LIDS

LOCATED NEAR TANK FARM.







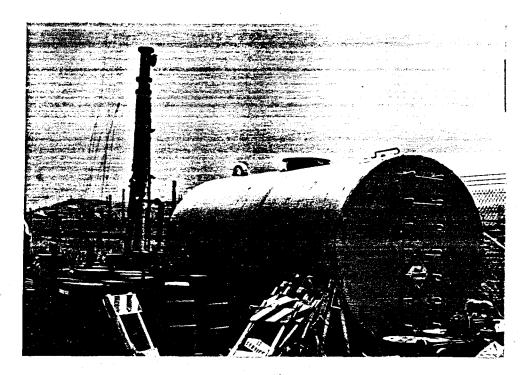
TRUCK PARKED NEAR
TANK FARM. CONTAINED
CONTENTS FROM
TANK 20.



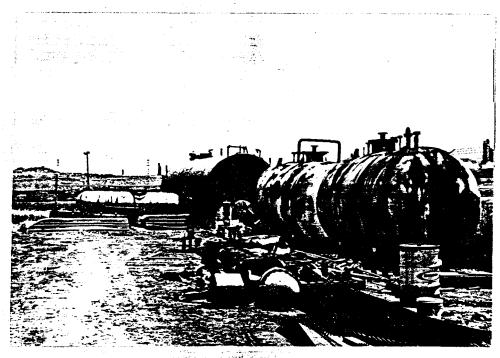
DRUMS CONTAINING
CHARGOAL. HOSES WERE
HOOKED TO TANK TRUCK
AND TO CARBON ABSORPTION
UNIT FOR VENTING
OFFGASES WHILE
LOADING WASTES INTO
TRUCK.

EHARCOAL IN DRUMS ACT AS INTERMEDIARY FOR VENTING SYSTEM TO REDUCE THE LOAD ON THE CAU.

MORTINEZ, CA 6-15-88



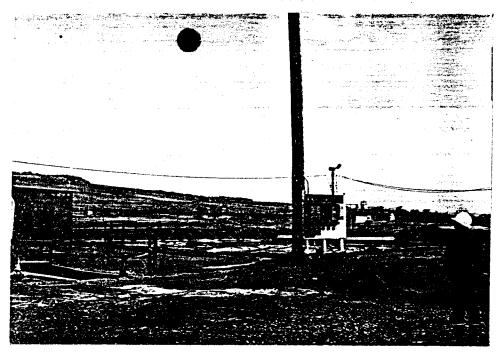
North



FOUR EMPTY THNKS LOCATED IN PRODUCT YARD—
DIRECTLY SOUTH OF POND 100. THE TANKS WERE
BROUGHT ON STIE APPROXIMATELY FOUR YEARS AGO
FOR A MYDROCARBON STRIPPING SYSTEM. THE TANKS
HAVE NEVER BEEN USED SINCE THEY WERE BROUGHT ONSITE.

LOCATION OF POND 100

North

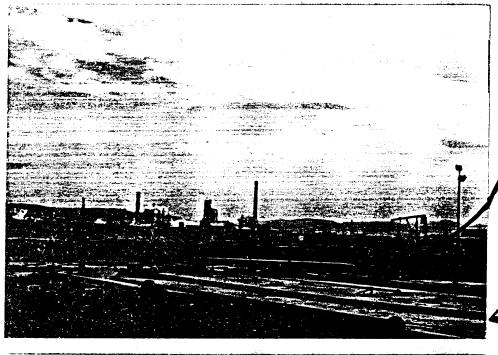


IT YNE HILL. 19ARTINEZ, CA 6-15-88

LOOKING WORTH-EAST.

FROM PARKING LOT TO

POND 106



LOOKING SOUTH EAST FROM PARKING LOT TO POND 105

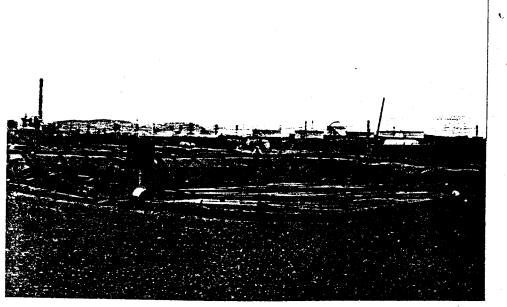
\_ TRUCK WASHOUT AREA

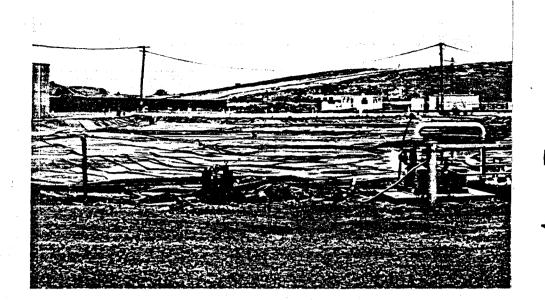
/N FOREGROUND.

PLATFORM HAS BEEN REMOVED

LOOKING SOUTHEAST FROM PARKING LOT

TO POND 103



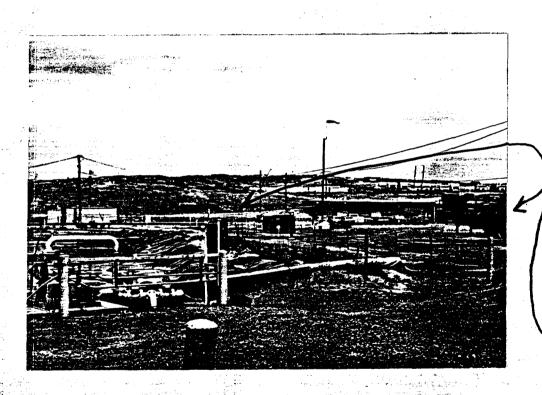


IT VINE HILL

MARTINEZ, CA

6-15-88

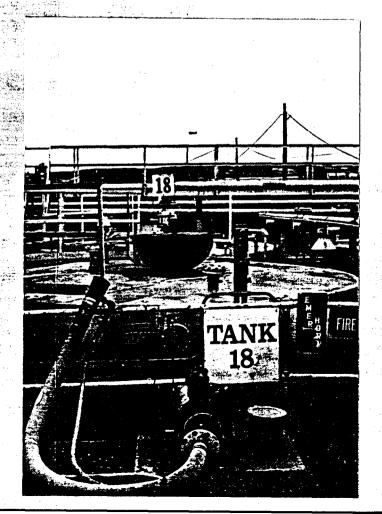
LOOKING NORTH FROM TANK FARING TO POND 102A



LOOKING NORTH
FROM TANK PARM TO
POND 102 A AND,
IN BACKGROUND,
FORMER LOCATION
OF LABORATORY &
ADMINISTRATIVE
OFFICES

TANK 16 17 YINE HILL MRTINEZ, CA 6-15-88

TANKS 14 & KO: RECEIVING, TREATMENT, & STORAGE TANKS



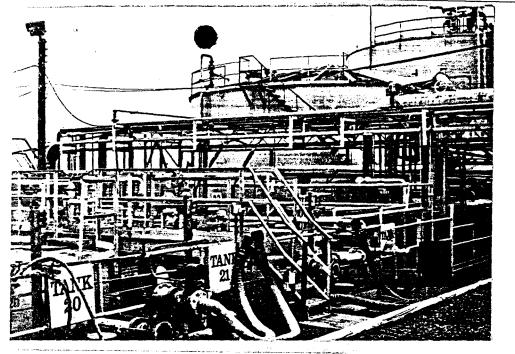


## TANKS 18 \$19:

RECEIVING & STRAGE TANKS.

EMPTIED & CLEANED OUT JUNE, CINTAINED WATE FUEL SUBGE.

NOTE: HOSES TO TANKS HAVE BEEN DISCONNECTED.



MARWEZ, CA 6-15-88

### TANKS 20 \$ 21:

TANK 20, a receiving ?

STORAGE THINK. THINK 21,

A RECEIVING, STORAGE, ?

BLENDING THINK FOR FUELS

FOR THE INCINERATOR.

HOSE HAS BEEN DISCONNECTED

FROM TANK 20: IT WAS

CLEANED OF WASTE FUEL

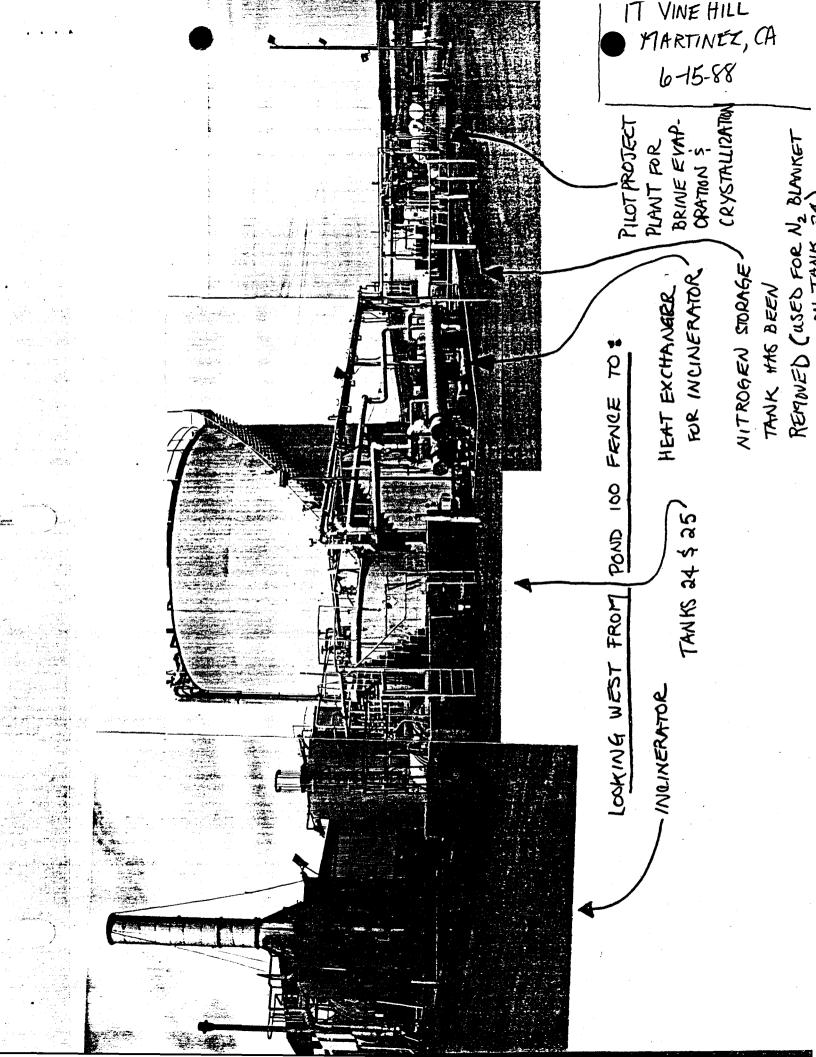
SHUTGE IN JUNE 188.

### TANK 22:

A RECEIVING, BTORAGE, AND
BLENDING THNK. IT WAS EMPTIED OF
WASTE FUEL SLUDGE & CLEANED JUNE'88,
NOTE: HOSE TO TANK OUTLET HAS BEEN
DISCONNECTED



TANK 1: RECEIVING, STORAGE AND TX TANK FOR WASTE ACID. ACID WASTE REQUIRING REDUCTION OF CR6+ IS
TREATED HERE.





March 11, 1988

4)

Mr. Dwight Hoenig California Department of Health Services 2151 Berkeley Way, Annex 7 Berkeley, CA 94704

SUBJECT: STORAGE OF HAZARDOUS WASTE IN TANKS AT THE VINE HILL TREAMENT COMPLEX

Dear Dwight;

This letter is a formal request under Paragraph IV, Article 1 (a) of the Final Hazardous Waste Facility Permit, to store tank bottoms in certain tanks for a period exceeding tone year. The storage of these materials began on the day the facility reased accepting receipts, December 1, 1987.

This letter requests for an exemption of the storage limits beyond December 1. 1988

The extension is requested for the following tanks. Estimated volumes containined within the tanks are estimated, as shown.

Waste Description	Volume
Acid heel	1,200 gal.
Sludge	22,054 gal.
Sludge	20,230 gal.
Caustic sludge	1,900 gal.
Sludge	2,850 gal.
Sludge	1,750 gal.
Sludge	1,500 gal.
Caustic sludge	1,500 gal.
Waste fuels	10,900 gal.
Waste fuels '	12,650 gal.
Waste fuels	13,550 gal
Sludge	16,418 gal.
Waste fuels	8,710 gal.
Fuel sludge	44,625 gal.
Fuel sludge	37,100 gal.
	Acid heel Sludge Sludge Caustic sludge Sludge Sludge Sludge Caustic sludge Waste fuels Waste fuels Sludge Waste fuels Fuel sludge

An analysis of the tank bottoms are attached for your information.

If you have any questions, please contact Chuck Youngson, at (415) 372-9100.

Sincerely yours

G. Douglas Clar General Manager

GDC:0000

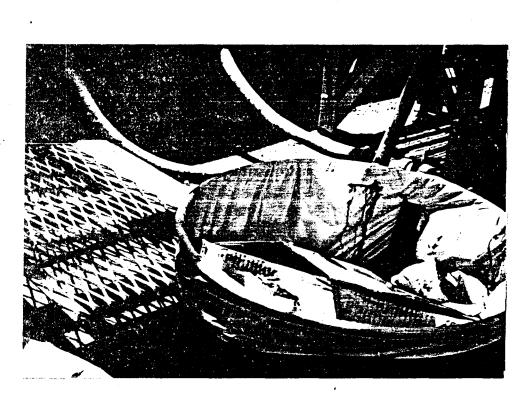
Regional Office

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GARTINEZ, CA



CONTAINERS LABELLED

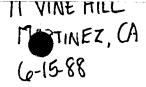
HAZARDOUS WASTE;

CONTAINED CONTAMINATED

BOOTS, TYVEKS, PAPER 
NO LIDS.

LOCATED NEAR TANK FARM





CONTAINER LABELLED

HAZARDOUS WASTE'; CONTAINED

CONTAMINATED BOOTS, TYVEKS,

GLOVES - NO LIDS.

LOCATED NEAR TANK FARM.



IT VINE HILL
MARTINEZ, (A
6-15-88

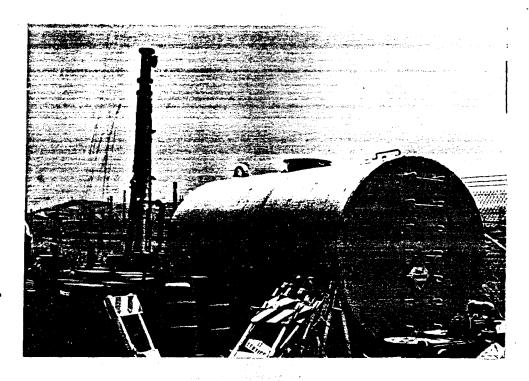


TRUCK PARKED NEAR
TANK FARM. CONTAINED
CONTENTS FROM
TANK 20.

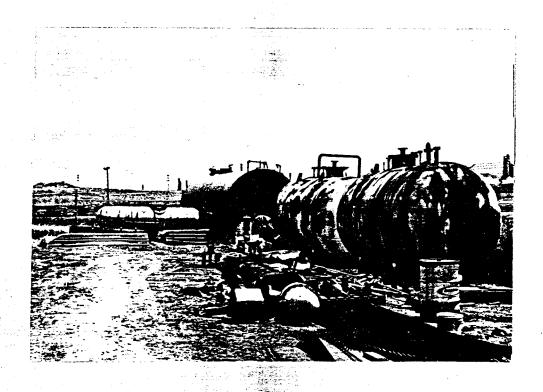


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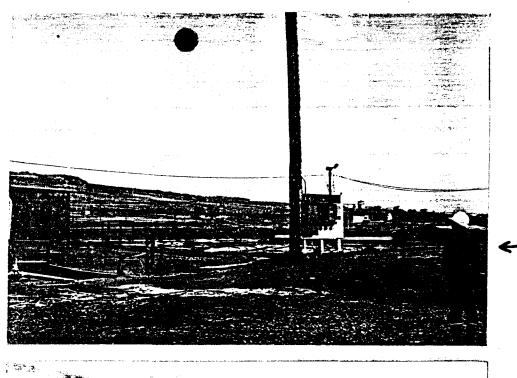


North



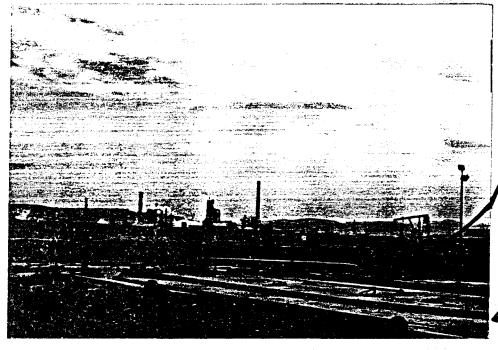
LOCATION OF POND 100

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IT YNE HILL. 19ARTINEZ, CA 6-15-88

LOOKING WORTH-EAST.



LOOKING SOUTH EAST FROM PARKING LOT TO POND 105

TRUCK WASHOUT AREA

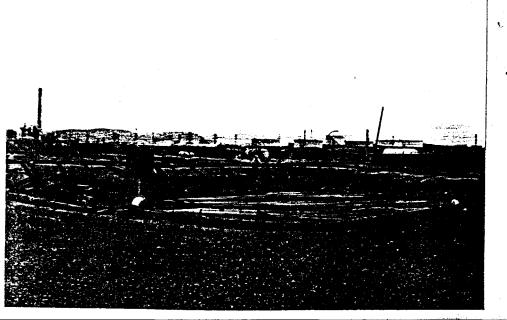
IN FOREGROUND.

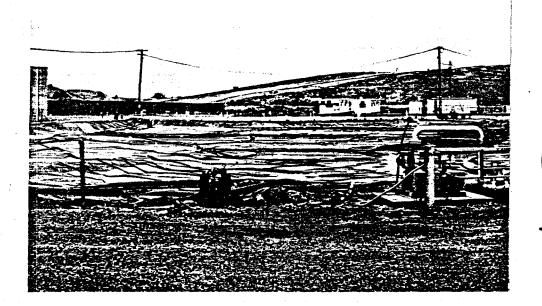
PLATFORM HAS BEEN REMOVED

LOOKING SOUTH EAST

FROM PARKING LOT

← TO POND 103



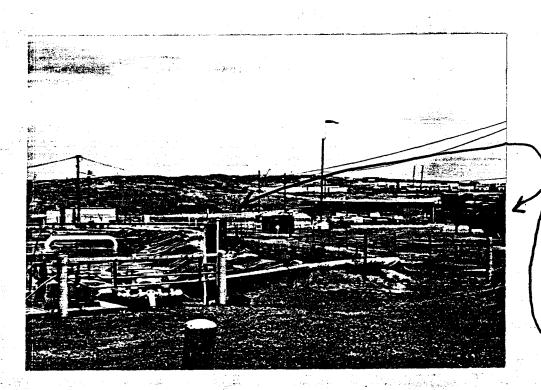


TYME HILL

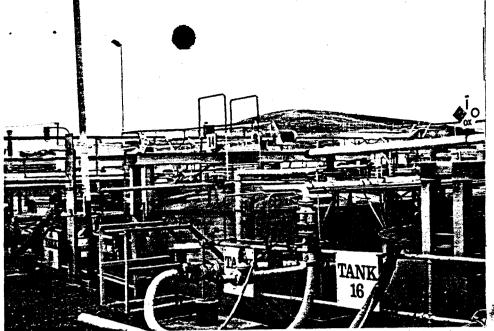
MARTINEZ, CA

6-15-88

LOOKING NORTH FROM TANK FARM TO POND 102A



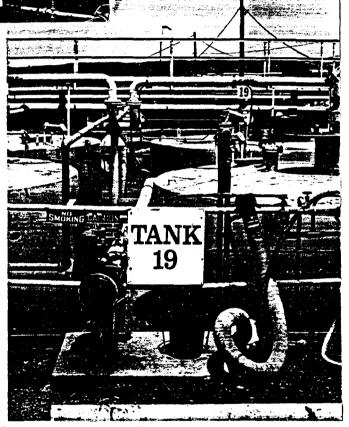
LOOKING NORTH
FROM THAK PARM TO
POND 102 A AND,
IN BACKGROUND,
FORMER LOCATION
OF LABORATORY &
ADMINISTIZATIVE
—OFFICES



IT VINE HILL MRTINEZ, CA 6-15-88

TANKS 14 & 16: RECEIVING, TREATMENT, & STORAGE TANKS





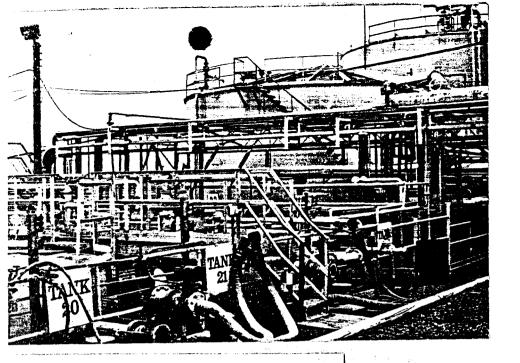
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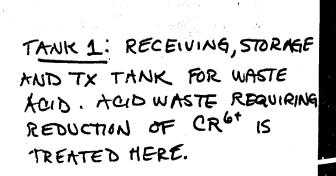
MAR WEZ, CA 6-15-88

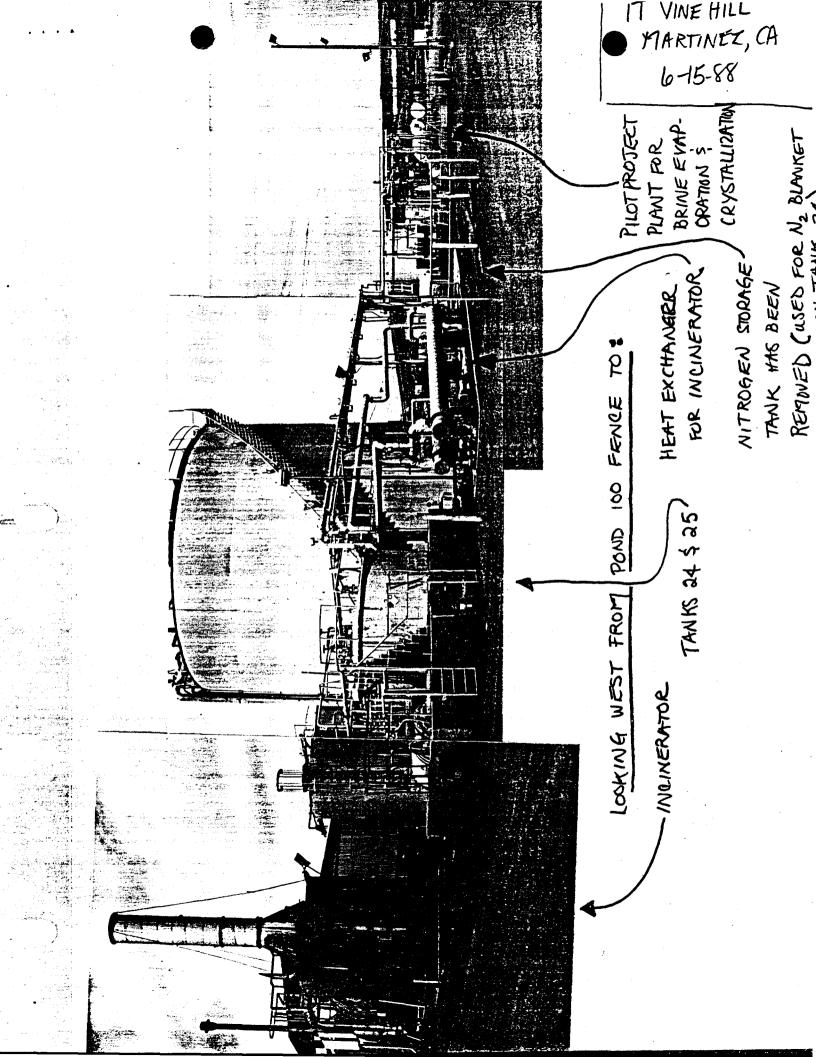
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TANK 20, a reciving &
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March 11, 1988

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Sincerely yours

G. Douglas Clar General Manager

GDC:0000

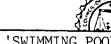
Regional Office

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IT ANALYTICAL SERVICES



896 Waterbird Way • Martinez, California 94

ATTACHMENT E:

'SWIMMING POOLS'
CONTENTS ANALYSIS
2 PAGES

### CERTIFICATE OF ANALYSIS

Prepared For:

John White

Date: February 10, 1988

RE: West Swimming Pool

	<del></del>				M8-02-027				
Date Received:			P O Number:	Job Number:					
02/0	5/88		NA		90182B				
TEST	RESULT	UNITS	RES	ULTS BY GC	ANALYSIS				
HCVP	. 0	ppm	TEST	RESULT	UNITS				
DENSITY	1000	G/L	FORMALDEHYDE	NA	ppm				
pН	8.3	-	PCB	NA	mg/kg				
NORMALITY	<0.1	N	PHENOL	NA	ppm				
SON	0	8	CRESOL	NA	ppm				
CN	ND<5	ppm	HALOGENATED	NA	ppm				
SULFIDE	ND<2	ppm							
FORMALDEHYDE	ND<5	ppm	RESUL	TS BY IC A	NALYSIS				
AMMONIA	ND<15	ppm	CN	NA	ppm				
FLUORIDE	NA	ppm	SULFIDE	NA	ppm				
XS-OXIDANT	NEG		FLUORIDE	NA	ppm				
FLASHPOINT	NA	DEG/C	PHENOL	NA	ppm				
AQUEOUS	100	8	•			. ,			
SOLIDS	NA	8	RESUL	TS BY ICAP	ANALYSIS				
OIL	NA	*			•				
POLAR	NA	ppm	TEST	RESULT	UNITS				
NON-POLAR	NA	ppm	Tl	<0.050	ppm				
HALOGENATED	ND	mg/kg	As	<0.007	ppm				
PHENOL	ND<5	ppm	Hg	<0.002	ppm				
	•		Se	<0.100	ppm				
COMMEN	TS		Pb	<0.004	ppm				
			Cđ	<0.003	ppm				
			Ni	<0.050	ppm				
			Cr	<0.004	ppm				
			Cr +6	NA	ppm				
			Be	<0.001	ppm				
			Cu	<0.020	ppm				
			Fe	NA	ppm				
			Co	NA	ppm				
•			Zn	.053	ppm				

I certify that this report truly represents the finding of work performed by me or under my direct supervision.

Rhonda Biedermann

Analytical Laboratory Manager

Reviewed and Approved.

Tom Cors

Data Management Supervisor

Mund John

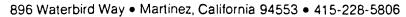
Florer R. Con

Approved by the California State Department of Health



# IT ANALYTICAL SERVICES







## CERTIFICATE OF ANALYSIS

Prepared For: John White

Date: February 10, 1988

RE: East Swimming Pool

		M8-02-027				
Date Received: 02/05/88				Job Number <b>901</b> 8		
				<u></u>		
TEST RESULT	UNITS	RES	ULTS BY GC	ANALYSIS		
HCVP 0	ppm	TEST	RESULT	UNITS		
DENSITY 1000	G/L	FORMALDEHYDE	NA	ppm		
pH 8.7		PCB	NA	mg/kg		
NORMALITY <0.1	N	PHENOL	NA	ppm		
SON 0	ફ	CRESOL	NA.	ppm		
CN ND<5	ppm	HALOGENATED	NA	ppm		
SULFIDE ND<2	ppm					
FORMALDEHYDE ND<5	ppm	RESUL	TS BY IC A	NALYSIS		
AMMONIA ND<15	ppm	CN	NA	ppm		
FLUORIDE NA	ppm	SULFIDE	NA	ppm		
XS-OXIDANT NEG		FLUORIDE	NA	ppm		
FLASHPOINT NA	DEG/C	PHENOL	NA	ppm		
AQUEOUS 100	४					
SOLIDS ND	*	RESUL	TS BY ICAP	ANALYSIS		
OIL ND	<del>ሄ</del>				•	
POLAR NA	ppm	TEST	RESULT	UNITS		
NON-POLAR NA	ppm	Tl	<0.050	ppm		
HALOGENATED ND	mg/kg	As	<0.007	ppm		
PHENOL ND<5	ppm	Hg	<0.002	ppm		
		Se	<0.100	ppm	* - *	
COMMENTS		Pb	<0.004	ppm		
		Cd	<0.003	ppm		
		Ni	<0.050	ppm		
		Cr	<0.004	ppm		
		Cr +6	NA	ppm		
		Ве	<0.001	ppm		
		Cu	<0.020	ppm		
		• Fe	NA	ppm		
		Co	NA	ppm		
· · · · · · · · · · · · · · · · · · ·		Zn	.032	ppm		

I certify that this report truly represents the finding of work performed by me or under my direct supervision. Rhonda Biedermann

Analytical Laboratory Manager

Reviewed and Approved

Tom Cors

Data Management Supervisor

Approved by the California State Department of Health

LOW DIAGRAMS - PAGES

03389

# FILE COPY



April 26, 1988

Mr. Robert Hosea

Department of Health Services

Toxic Substances Control Division

Hazardous Waste Report

P.O. Box 3000

Sacramento, CA 95812

Dear Sir:

In accordance with Section 67165 of Title 22 of the California Code of Regulations and the EPA's Biennial Facility Report requirements, IT Corporation is submitting the enclosed Annual Facility Hazardous Waste Reports for the Vine Hill, Baker, and IT Oil facilities, EPA ID\*'S CAD000094771, CAD089680250, and CAD000092619, now referred to as the Vine Hill Treatment Complex. An extension to the filing deadline until April 30, 1988, was granted by David Leu, Chief of the Alternative Technology Section, in a letter dated April 12, 1988.

In accordance with training session guidance we have reported remaining disposal capacities in the Facility Report section for surface impoundments subject to TPCA as zero, and we have reported receipts by California Waste Category only. For clarification we have included flow charts similar to the 1986 Annual Report submittals detailing the movement of incoming waste and transfers within the Treatment Complex.

As in 1986 the environmental monitoring data represents the Treatment Complex as a single unit rather than three separate facilities. The Hydrogeological Assessment Report (HAR) submitted to Mr. Roger James, California Regional Water Quality Control Board, San Francisco Bay Region, on November 5, 1987, and numerous other submittals related to ground water monitoring made under the site's Cleanup and Abatement Order No. 86-014 provide additional groundwater information. These submittals are not copied with this report.

If you have any questions regarding these reports, please call John Ettl at (415) 372-9100.

Sincerely,

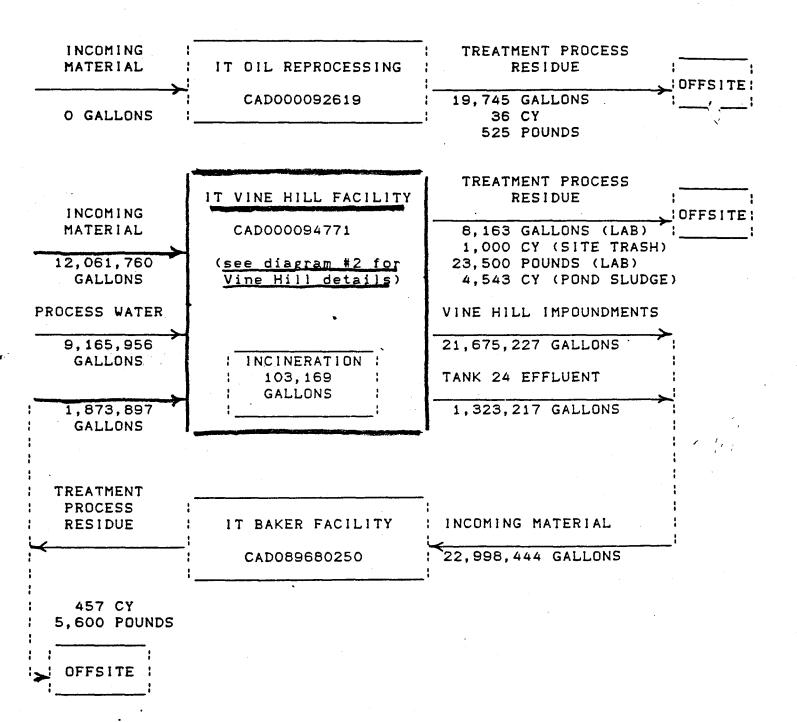
Douglas S. Waltermire

Manager of Compliance and Monitoring

cc: Roger James, CRWQCB, San Francisco Bay Region Regional Office

4585 Pacheco Boulevard • Martinez California 94553 • 415-372-9100

#### SUPPLEMENT TO ANNUAL REPORT, 1987



### SUPPLEMENT TO ANNUAL REPORT, 1987

	TOTAL :	
	1	
	13,935,657 GALLONS	
,	1	•
	i	
TREATMENT TANKS		SURFACE IMPOUNDMENT
4,461,295 GALLONS		9,474,362 GALLONS
	•	
	PROCESS WATER	
	9,165,956 GALLONS  _	
111011150451011		VINE HILL
INCINERATION : 103,169 GALLONS :	OTHER PROCESSES : 4,358,126 GALLONS :_	: IMPOUNDMENTS : _: 3,034,909 GALLONS :
	11	
	STRIPPING : 1,323,217 GALLONS :	
	1	
	_ i	
	TO BAKER FACILITY :	: TO BAKER FACILITY : AS VINE HILL
	: EFFLUENT :	DISCHARGE
	1,323,217 GALLONS	21,675,227 GALLONS
	: MANIFESTED TO VINE :	
•	: HILL IMPOUNDMENT :	
	COVERS, ETC. : FROM BAKER FACILITY :	•

GROUND H<sub>2</sub>O MONITORING RESULTS;<sup>2</sup>4TH QTR. 198

ATTACHMENT

PAGE NO.

#### I.T. CORP. - VINE HILL SITE 1987 4th QUARTER GROUNDWATER MONITORING RESULTS

DATE   MARKE   MARKED   MAR	•				•		
1724/87   11/23/87   11/23/87   11/23/87   11/16/87	HELL NOME	UNITS	MW-201	MM-さゆさ		MW-204	MW-200
DI NIMER   1241405   11231500   11.31400   11.51400   11.61500   11.61500   11.61500   11.61500   11.61500   11.61500   11.60500		2,,,,,,,	· ·	11/23/87	11/23/87	11/16/87	
DUPLICATE   DUP			11241405	11231500	11.231400	11161520	11161530
INITY			•••				•
INITY	DUPLICATE						
Chechi   Dec   Mig   L.   Supp.   ASWA   Mil Hottle   ISANO   I Supp.   I	INITY	mn/l	700	1800	NO LOTTLE	1500	
TOTAL   TOTA		-	• • •		NO POTTLE	15000	
MPM/100ml   2	CHEMICAL DANGEN DEMOND	, 🛥 ,			NO FOTTLE	170	510
ND (0, all   ND						ND (2	=
						NOT VALID	NOT VIALID
TOTAL DISSOLVED SOLIDS		••	-		NO DOTTLE	ND (Ø. Ø1	ND (V. U1
SULFATE   Mg / L   40						<b>3</b> ወላላወ	21000
SOLUTION   SOLUTION						3100	760
GRDSS BETA NONFILTERABLE   DCI/L   S9						148	ND (113
RADIUM 226 NONFILTERABLE   PC1/L   ND (0.6   1.2   ND (0.6   0.7   ND (2.		•				ND (549	393
RADIUM 228 NONFILTERABLE   DCI/L   ND (5, 0)   ND (4, 7)   ND (4, 0)   ND (0,		•				ND (Ø. 6	Ø. 7
ABSENTC  BARTUM  Mg/L  DARTUM							ND (3
BAREIUM		•			NO ROTTUE	ND (Ø. Ø3	ND (Ø. 0.3
BARTUM		_				•	0.044
CALCIUM ag/L 140 540 NI BOTTLE 700 350  TOTAL CHROMIUM ag/L ND (0.01 ND (0.01 ND BOTTLE ND (0.01 ND (0.00 ND (0.01 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.001 ND (0.0001 ND (0.001 ND (0.00001 ND (0.0001 ND (0.0001 ND (0.0001 ND (0.0001 ND (0.0001 ND (							
TOTAL CHROMIUM							350
COPPER							ND (Ø. 01
TRON							ND (Ø. Ø1
LEAD		_					Ø. 11
MAGNESTUM		_					
MANGRISE         mg/L         1.6         2.1         NO BOTTLE         8.2         8.2           MERCURY         mg/L         ND (Ø. Øð1         ND (Ø. W²         ND EOTTLE         ND (Ø. Øð3         ND (Ø. Øð2           NICKEL         mg/L         ND (Ø. ز         ND (Ø. ز         ND EOTTLE         ND (Ø. ز         ND (Ø. ز           NICKEL         mg/L         ND (Ø. ز         ND (Ø. ز         ND EOTTLE         ND (Ø. ز         ND (Ø. ز           NICKEL         mg/L         ND (Ø. ز         ND (Ø. ز         ND EOTTLE         ND (Ø. ز         ND (Ø. ز           NICKEL         mg/L         ND (Ø. ز         ND (Ø. ز         ND EOTTLE         ND (Ø. ز         ND (Ø. ز           SELENIUM         mg/L         ND (Ø. ز         ND (Ø. س         ND EOTTLE         ND (Ø. س<							820
MERCURY   mg/L   ND (0.001   ND (0.002   ND (0.003   ND (0.002   ND (0.0002   ND (0.002		••					
ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M2   ND (M. M3   ND (							ND (4 0/02
NO   NO   NO   NO   NO   NO   NO   NO							ND (W UZ
SELENTUM							
SILVER							
SODIUM			· · · · · · · · · · · · · · · · · · ·				
TOTAL ORGANIC CARBON 1		_					
TOTAL ORGANIC CARBON 2 mg/L 26 17 80 9 5 TOTAL ORGANIC CARBON 3 mg/L 15 14 80 9 5 TOTAL ORGANIC CARBON 4 mg/L 17 14 78 8 5 TOTAL ORGANIC CARBON 4 mg/L ND (0.05 0.41 2.2 0.16 1.2 0.34 0.34 0.34 0.35 0.41 2.2 0.46 0.54 TOTAL ORGANIC HALOGEN 2 mg/L ND (0.05 0.45 2.2 0.46 0.54 0.34 0.34 0.34 0.34 0.34 0.34 0.34 0.3							
TOTAL ORGANIC CARBON 3 mg/L 15 14 80 9 5 TOTAL ORGANIC CARBON 4 mg/L 17 14 78 8 5 TOTAL ORGANIC HALOGEN 1 mg/L ND (0. 05 0.41 2.2 0.16 1.2 TOTAL ORGANIC HALOGEN 2 mg/L ND (0. 05 0.45 2.2 0.46 0.54 TOTAL ORGANIC HALOGEN 3 mg/L ND (0. 05 0.71 1.6 0.14 1.0 TOTAL ORGANIC HALOGEN 4 mg/L ND (0. 05 0.73 1.3 0.23 1.1 2,4 - D mg/L ND (0. 0001 ND (0.							
TOTAL ORGANIC CARBON 4							
TOTAL DRGANIC HALOGEN 1 mg/L ND (0.05 0.41 2.2 0.16 1.2 1.2 1.4							
THAL DREANIC HALOGEN 2 Mg/L ND (Ø. Ø5 Ø. 45 2.2 Ø. 46 Ø. 54  TOTAL DREANIC HALOGEN 3 Mg/L ND (Ø. Ø5 Ø. 71 1.6 Ø. 14 1. Ø  TOTAL DREANIC HALOGEN 4 Mg/L ND (Ø. Ø5 Ø. 73 1.3 Ø. 23 1.1  2,4 - D Mg/L ND (Ø. ØØ01 ND						<del>-</del>	
TOTAL ORGANIC HALOGEN 3         mg/L         ND (ชิ. ชิร์         ชิ. 71         1.6         ชิ. 14         1. ชิ           TOTAL ORGANIC HALOGEN 4         mg/L         ND (ชิ. ชิร์         ชิ. 73         1. 3         ชิ. 23         1. 1           2,4 - D         mg/L         ND (ชิ. ชิชิชิ1         ND (ชิ. ชิชิชิชิ1         ND (ชิ. ชิชิชิ	1888						
TOTAL DRGANIC HALOGEN 4 mg/L ND (0. 05 0.73 1.3 0.23 1.1 2.4 - D mg/L ND (0. 0401 ND (0. 0							
2,4 - D         mg/L         ND (Ø. ØØØ1         ND (Ø. ØØØ1         NC EOTTLE         ND (Ø. ØØØ1         ND (Ø. ØØØ1           ENDRIN         mg/L         ND (Ø. ØØØ1         ND (Ø. ØØØ1         NC BOTTLE         ND (Ø. ØØØ1         ND (Ø. ØØØ1           LINDONE         mg/L         ND (Ø. ØØØ1         ND (Ø. ØØØ1         ND BOTTLE         ND (Ø. ØØØ1         ND (Ø. ØØØ1           METOXYCLOR         mg/L         ND (Ø. ØØØ1         ND (Ø. ØØØ1         ND Ø. ØØØ1         ND BOTTLE         ND (Ø. ØØØ1         ND (Ø. ØØØ1		-					
ENDRIN         Mg/L         ND (0.0001         ND (0.0001         NO BOTTLE         ND (0.0001         ND (0.0001           LINDANE         Mg/L         ND (0.0001         ND (0.0001         NO BOTTLE         ND (0.0001         ND (0.0001           METOXYCLOR         Mg/L         ND (0.0001         ND (0.0001         NO BOTTLE         ND (0.0001         ND (0.0001		-					
LINDANE         Mg/L         ND (0. 0001         ND (0. 0001         NO BOTTLE         ND (0. 0001         ND (0. 0001           METOXYCLOR         Mg/L         ND (0. 0001         ND (0. 0001         NO BOTTLE         ND (0. 0001         ND (0. 0001		_					
METOXYCLOR Mg/L ND (0.0001 ND (0.							
ingre introduction in the control in							
TUTTUME NE NO		_					
TOTAL TOTAL	TOXAPHENE	mg/L	ND (Ø. ØØØ4	ND (0. 0004			
, 2, 4, 5 - T Mg/L ND (0. 0001 ND (0. 0001 ND BOTTLE ND (0. 0001 ND (0. 0001	2,4,5 - 1	mg/L	וטישט שי עוא	אט נש. ששעין	NIJ BUTTLE	MD (O. COC.	110 10, 4.6.01

PAGE NO.

2

#### I.T. CORP. - VINE HILL SITE 1987 4th QUARTER GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS MW-	201 MW-202	MW-263	MW-ごの4	MW-Ervio
DATE		24/87 11/23/87	11/23/07	11/16/87	11/16/87
ID NUMBER		41405 11231500	11231400	11161520	11161730
DUPL I CATE			11001100		••••
				<b></b>	
SY C ELEVATION	feet 8.63	<del>-</del>		7.16	3. CB
TERRATURE	degrees C 17.	20 18.30	•	20. 20	21.10
PH FIRST READING	SU 6.83	6.31		6.94	6.60
pH SECOND READING	รบ 7. ฬ:	5 3.46		6.88	6.53
pH THIRD READING	SU 7.00	3 6. 53		6.91	6.51
pH FOURTH READING	รบ 7. ซิเ	6 6.49		6.96	6.54
SPECIFIC CONDUCTIVITY #1	umhos/cm 3060	0 2200			
SPECIFIC CONDUCTIVITY #2	uhmos/cm 2500	ð <u>225</u> 0			
SPECIFIC CONDUCTIVITY #3	uhmos/cm 2480	8280			
SPECIFIC CONDUCTIVITY #4	umbos/cm 2460	a 2270			

#### I.T. CORP.— VINE HILL SITE 1987 4th QUARTER GROUNDWATER MUNITORING RESULTS

11/17/07   11/17/07   11/17/07   11/17/07   11/24/07		UNITS	MW-206	MW-EVIG	MW-207	P05-WM	MW-212
DIAMPHER   11714400   11714405	WELL NAME	OMITS	•			11/24/87	11/24/87
DIVIDITION   DI							11241310
NITTY			11171400			•	
NITTY	DUPLICATE						
CIMPLICAL DAYGEN DEMAND	OI THITY	mn/l	1300	1300		3700	
CHEMICAL DAYGEN DEMAND		-		9400	NO BOTTLE		
Description	CHEMICAL DYVEEN BEMOND						
NO   NO   NO   NO   NO   NO   NO   NO				ND (2		ND (&	
ND (0, 01   ND (0, 001   ND (0, 000   ND (0, 000				ND (Ø. 1		ND (1.0	
TOTAL DISSOLVED SOLIDS #9/L 16000 16000 NI DOTILE 30000 30000 30000 50000 NI DOTILE 15000 0000 50000 NI DOTILE 15000 0000 50000 NI DOTILE 15000 0000 0000 0000 NI DOTILE 15000 0000 0000 NI DOTILE 15000 0000 0000 0000 NI DOTILE NO 1616 NI DOCA NI D		_		ND (Ø. Ø1	NO POTTLE		
SULFATE   Mg/L   300		-		16000	NO POTTLE	38000	
SPINSS   RLPHA NONFILTERBULE   DE1/L   ND (6230   ND (177   ND (187   ND		-		410		1600	
GROSS BETA NONE LITERAILE   GROSS BETA NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 226 NONE LITERAILE   RADIUM 227 NONE LITERAILE   RADIUM 228 NONE LITERAILE   R				113	INSUFF. VOLUME	ND (129	
RADIUM 226 NONFILTERABLE   PCI/L   ND (0. 0   ND (0.				ND (179	INSUFF, VOLUME	ND (516	
RADIUM 228 NONFILTERABLE   PGI/L   ND (3.5   ND (2.7   INSUFF, VOLUME   ND (2.0   ND (4.5   ND (4.5   ND (4.0   N				Ø. E	INSUFF. VOLUME	Ø. E	
ARSENTC PARTIUM PARTI	_			ND G2. 7	INSUFF. VOLUME	ND (2. Ø	
## BARTIUM ### ### ### ### ### ### ### ### ### #		•		ND (Ø. Ø3	NO BOTTLE	ND (Ø. Ø3	ND (Ø. Ø3
CADMILIM		••			NO BOTTLE	0.78	
CRICTUM mg/L 630 660 ND 60TTLE 700 720 CRECTUM mg/L ND (0.01 ND (0	· ·			ND (Ø. ØØ5	NO BOTTLE	ND (0. 005	
TOTAL CHROMIUM mg/L ND (0, 0)1 ND				EEØ	NO BOTTLE	700	
COPPER			ND (Ø. Ø1	ND (Ø. Ø1			
TROM			ND (Ø. Ø1	ND (Ø. Ø1		ND (Ø. Ø1	
LEAL				1.5	NO BOTTLE		
MAGNESIUM MAGNESE MG/L MANNANESE MG/L MANNANESE MG/L MANNANESE MG/L MANNANESE MG/L MANNANESE MG/L MANNANESE MG/L MANNANESE MG/L MAND MG/L MD (0. 001   ND (0. 003   ND (0. 00			ø. øs	Ø. Ø5	NO BOTTLE		
MANGONESE         Mg/L         5.1         5.2         NO BOTTLE         1.5         2.7           MERCURY         Mg/L         ND (0.0%)         ND (0.0%)         ND (0.0%)         ND CO.0%			800				
MERCURY         Mg/L         ND (0. 001         ND (0. 001         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 002         ND (0. 003			5. 1	5. 2			
NICKUL Mg/L ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №2 ND (0. №6 ND		mg/L	ND (Ø. ØØ1	ND (Ø. ØØ1			
POTASSIUM mg/L 13 14 NO BOTTLE 200 1200 SELENIUM mg/L ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.06 ND (0.005 ND (0.0005 ND (0.000		nig/L	ND (0.02	ND (0.02			
SELENIUM         mg/L         ND (0. %6         ND (		mg/L	13	14	NO BOTTLE		
SILVER			ND (0. 06		NO BOTTLE		
SODIUM			ND (0.005	ND (Ø. ØØ5			
TOTAL ORGANIC CARBON 1		mg/L	3800	4 ወ ወ ወ			
TOTAL ORGANIC CARBON 3			6				
TOTAL ORGANIC CARBON 4	TOTAL DRGANIC CARBON 2	mg/L	5				
TOTAL ORGANIC CARBON 4   mg/L   0.85   1.3   1.6   1.3   0.84     TOTAL ORGANIC HALOGEN 2   mg/L   0.91   0.93   0.54   0.71   0.51     TOTAL ORGANIC HALOGEN 3   mg/L   0.54   0.80   0.35   0.47   1.3     TOTAL ORGANIC HALOGEN 4   mg/L   0.20   0.60   0.66   0.60   0.58     Z,4 - D   mg/L   ND (0.0001   ND (0.0001   ND (0.0002   ND (0.0002   ND (0.0001	TOTAL ORGANIC CARBON 3	mg/L	5	5			
TE L ORGANIC HALDGEN 1 mg/L 0.91 0.93 0.54 0.71 0.51  TOTAL ORGANIC HALDGEN 3 mg/L 0.54 0.80 0.35 0.47 1.3  TOTAL ORGANIC HALDGEN 3 mg/L 0.54 0.80 0.55 0.47 1.3  TOTAL ORGANIC HALDGEN 4 mg/L 0.20 0.60 0.60 0.66 0.60 0.58  2,4 - D mg/L ND (0.0001 ND (0.0001 ND (0.0002 ND (0.0001 ND (0.0	TOTAL ORGANIC CARBON 4	mg/L	5	_			
TOTAL ORGANIC HALDGEN 3 mg/L 0.54 0.80 0.35 0.47 1.3  TOTAL ORGANIC HALDGEN 4 mg/L 0.20 0.60 0.60 0.66 0.60 0.58  Z,4 - D mg/L ND (0.0001 ND (0.0001 ND (0.0002 ND (0.0002 ND (0.0001 ND (0.0001 ND (0.0002 ND (0.0001 ND (0	TENL ORGANIC HALOGEN 1	ng/L	0.85				
TOTAL DRGANIC HALDGEN 4 Mg/L 0.20 0.60 0.66 0.60 0.58  2,4 - D Mg/L ND (0.0001 ND (0.0001 ND (0.0002 ND (0.0002 ND (0.0001 ND (0.0001 ND (0.0002 ND (0.0002 ND (0.0002 ND (0.0001 ND (0.000	TELL DRGANIC HALOGEN 2	mg/L	0.91				
TOTAL DRGANIC HALDBEN 4         mg/L         0.20         0.20         0.20         0.20         0.00         0.	TOTAL ORGANIC HALOGEN 3	mg/L	0.54				
ENDRIN         mg/L         ND (Ø. ØØØ2         ND (Ø. ØØ2         ND (Ø.	TOTAL ORGANIC HALOGEN 4	mg/L	0.20	Ø. EØ	જ. હહ		
ENDICTOR         mg/L         ND (0.0002	2,4 - D	mg/L	ND (Ø. ØØØ1				
LINDANE mg/L ND (ଡ. ୧୯୯୪ : ND (ଡ. ୯୯୯୮ ) ND (ଡ. ୧୯୯୮ ) ND		mg/L	ND (Ø. ØØØ2	ND (0.0002			
METOXYCLOR         mg/L         ND (Ø. ØØØ2         ND (Ø. ØØØ2         ND (Ø. ØØØ2         ND (Ø. ØØØ2         ND (Ø. ØØØ2         ND (Ø. ØØØ2         ND (Ø. ØØØ4         ND (Ø. ØØA         ND		mg/L	ND (Ø. ØØØ2	ND (0. 0002			
TUXAPHENE mg/C No. 10 to	METOXYCLOR	mg/L	ND (0. 0002				
2.4.5 – T Mg/L ND (0. 0001 ND (0. 0001 ND (0. 0001 ND (0. 0001 ND (0. 0001 ND (0. 0001 ND (0. 0001	TOXAPHENE	mg/L	ND (Ø. ØØØB				
	2,4,5 - T	mg/L	ND (0.0001	ND (0. 0001	ND (0. 0001	אט (ש. אשאו	מט נש. עישיט

PAGE NO.

SPECIFIC CONDUCTIVITY #2

SPECIFIC CONDUCTIVITY #3

SPECIFIC CONDUCTIVITY #4

uhmos/cm

uhmos/cm

umhos/cm

#### I.T. CORP.- VINE HILL SITE 1987 4th DURRTER GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

2940

2960

2980

20000

20000

20000

WELL NAME DATE ID NUMBER DUPLICATE	UNITS	MW-206 11/17/87 11171400	MW-246 11/17/07 11171445 FDP	MW- 207 11/17/07 1117144ช	MW-209 11/24/87 11241345	MW-813 11784787 11841318
SINCE ELL VATION TEMPERATURE ph FIRST READING	ธบ	4.53 C 20.30 6.71		8.3v 2v.2v 7.74	18.70 7.19	4.01 17.70 6.40
pH SECOND READING pH THIRD READING pH FOURTH READING SPECIFIC CONDUCTIVITY #1	SU SU SU umhos/cu	6.68 6.65	·	6.35 7.93	7. 19 7. 14 7. 15 20000	6. 78 6. 80 6. 85 3040

3

•	UNITS	MW-213	MW-214	พม- <u>ิ</u> ≥15	MW-216	MM-218
WELL NAME	ONTIO	11/24/87	11/17/87	11/17/87	11/17/87	11/24/87
DATE		11241240	11171515	11171500	11171530	11241115
ID NUMBER		11541546	, , , , , , , , ,	• • • • • • • • • • • • • • • • • • • •		
DUPLICATE .						
	mg/L	1500	950	NO BOTTLE	1500	NO BOTTLE
ALINITY	-	ENNA	13000	NO BOTTLE	13000	NO BOTTLE
CHEMIDE	my/L	350	06	NO DOTTLE	100	NO BOTILE
CHEMICAL DXYGEN DEMAND	mg/L MPN/100m1		ND (S	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ND (2	
COLIFORM			ND (Ø. Ø)	ND (1.0	ND (Ø. 1	
HEXAVALENT CHROMIUM	mg/L	ND (1.0	ND (Ø. Ø1	NO HOTTLE	ND (Ø. Ø1	NO BOLLE
PHENOLICS	mg/L	ND (0. 01	23000	NO POTTLE	22000	NO BOTTLE
TOTAL DISSOLVED SOLIDS	mg/L	3000	1100	NO POTTLE	13000	NO BOTTLE
SULFATE	my/L	15	113	INSUFF. VOLUME	ND (21	INSUFF. VOLUM
GROSS ALPHA NONFILTERABLE	pCi/L			INSUFF. VOLUME	ND (340	INSUFF. VOLUM
GROSS BETA NONFILTERABLE	pCi/L		ND (2')4	INSUFF. VOLUME	P. B	INSUFF. VOLUM
RADIUM 226 NONFILTERABLE	pCi/L		ND (v). L	INSUFF. VOLUME	ND (3. 0)	INSUFF. VOLUM
RADIUM 228 NONFILTERABLE	pCI/L		ND (2. 8	NO BOTTLE	ND (M. Ø3	NO BOTHE
ARSENIC	mg/L	ND (0. 03	ND (Ø. Ø3		Ø. 45	NO BOTILE
PARTUM	mg/L	Ø. 7v	Ø. Ø64	NO FOTTLE	ND (Ø. 005	NO BOTTLE
CADMIUM	mg/L	ND (0. 005	ND (0. 005	NO COTTLE		NO BOTTLE
CALCIUM	mg/L	210	650	NU BOTTLE	530	NO BOTTLE
TOTAL CHROMIUM	mg/L	<b>0.</b> 03	ND (Ø. VI	NO BOTTLE	ND (0, 01	NO BOTTLE
COPPER	Mg/L	Ø. Ø3	ND (Ø. Ø L	NO DOTTLE	ND (0. 01	NO BOTTLE
IRON	mg/L	44.0	ଡ. ଡଥ	NO BOTTLE	4.2	NO BOTTLE
LEAD	mg/L	0.10	0.04	NO BOTTLE	0.05	
MAGNESIUM	mg/L	190	870	NO BOTTLE	900	NO BOTTLE
MANGANESE	mg/L	દ. 6	18	NO DOTTLE	5.5	NO BOTTLE
MERCURY	my/L	ND (0. 001	ND (@. WA1	NO BOTTLE	ND (0. 001	NO BOTTLE
NICKEL	mg/L	Ø. VB	ND (0. Ø2	NO DOTTLE	ND (0. 02	NO BOTTLE
POTASSIUM	mg/L	110	15	NO DOTTLE	62	NO BOTTLE
SELENIUM	mg/L	ND (Ø. Ø6	ND (Ø. Ø6	NO BOTTLE	ND (0.06	NO BOTTLE
SILVER	mg/L	ND (0.005	ND (0. 005	NO DOTTLE	ND (0. 005	NO BOTTLE
SODIUM	mg/L	2900	5500	NO BOTTLE	6120	NO BOTTLE
TOTAL ORGANIC CARBON 1	mg/L	63	1	94	9	130
TOTAL DRGANIC CARBON 2	Mg/L	61	1	94	9	130
TOTAL DRGANIC CARBON 3	mg/L	EØ	3	99	9	130
TOTAL ORGANIC CARBON 4	mg/L	60	8	91	9	130
TAL ORGANIC HALOGEN 1	mg/L	0. 10	0.41	3. <i>2</i>	1.3	0.15
L DRGANIC HALDGEN 2	mg/L	Ø. 14	1.1	1.1	Ø. 74	0.17
TOTAL ORGANIC HALDGEN 3	mg/L	0.23	0.52	1.0	0.54	0.21
TOTAL ORGANIC HALOGEN 4	mg/L	0.22	Ø. 96	Ø. 33	0.63	Ø. 28
2.4 - D	mg/L	ND (0. 0001	ND (Ø. ØØØ1	NO BOTTLE	ND (Ø. ØØØ1	NO BOTTLE
ENDRIN	nig/L	ND (0. 0001	ND (0.0002	NO BOTTLE	ND (Ø. ØØØ2	NO BOTTLE
LINDANE	mg/L	ND (0. 0001	ND (0.0002	NO BOTTLE	ND (0.0002	NO BOTTLE
METOXYCLOR	mg/L	ND (0. 0001	ND (0.0002	NO BOTTLE	ND (Ø. ØØØ2	NO BOTTLE
TOXAPHENE	mg/L	ND (0. 0004	ND (Q. 000B	NO BOTTLE	ND (0. 000B	NO BOTTLE
2,4,5 - T	mg/L	ND (0. 0001	ND (Ø. ØØØ1	NO BOTTLE	ND (Ø. ØØØ1	NO BOTTLE

PΩ	GI.	NO.	

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#### 1.T. CORP.- VINE HILL SITE 1987 4th QUARTER GRUUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME DATE 10 NUMBER DUPLICATI:	UNITS MW-213 11/24/67 11241240	MU-214 11/17/87 11171515	МИ-215 11/17/87 11171500	MW-216 11/17/87 11171530	MW-218 11/24/87 11241115
STEEC ELLVATION TENERATURE pH FIRST READING pH SECOND READING pH THIRD READING pH FOURTH READING SPECIFIC CONDUCTIVITY #1	feet degrees C 18.60 SU 7.44 SU 7.43 SU 7.49 SU umhos/cm 1998	6. 11 19. 30 6. 73 6. 69 6. 68 6. 61 290	9. 38 18. 00 7. 41 6695	7. VV 16. 5V 6. 6V 6. 62 6. 58 6. 63 3436	3. 46 17. 40 7. 04 47100
SPECIFIC CONDUCTIVITY #2 SPECIFIC CONDUCTIVITY #3 SPECIFIC CONDUCTIVITY #4	uhmos/cm 1982 uhmos/cm 1996 umhos/cm	201 300 290		3100 3300 3240	

# I.T. CORP. - VINE HILL SITE -1987 4th DUARTER - COUNDWATER MONITORING RESULTS

WELL NAME	UNITS	MW-219 11/24/87
DATE		11241200
DUPLICATE		
DUPL ICHIE		
AL INITY	mg/L	1600
CHLORIDE	mg/L	ଌଡ଼ଡ଼ଡ଼
CHEMICAL OXYGEN DEMAND	mg/L	82
COLIFORM	MPN/100m1	13
HEXAVALENT CHROMIUM	Mg/L	ND (Ø. Ø1
PHENOLICS	mg/L	ND (Ø. Ø1
TOTAL DISSOLVED SOLIDS	mg/L	14000
SULFATE	mg/L	220
GROSS ALPHA NONFILTERABLE	pCi/L	49
GROSS BETA NONFILTERABLE	pCi/L	ND (206
RADIUM 226 NONFILTERABLE	pCi/L	1.0
RADIUM 228 NONFILTERABLE	pCi/L	ND (2.7
ARSENIC	mg/L	ND (0.03
BARIUM	mg/L	0.38
CADMIUM	mg/L	ND (0. 005
CALCIUM	mg/L	460
TOTAL CHROMIUM	mg/L	ND (0. 01
COPPER	mg/L	0.02
IRON	mg/L	1.7_
LEAD	mg/L	0.05
MAGNESIUM	mg/L	640
MANGANESE	mg/L	3.5
MERCURY	mg/L	ND (Ø. ØØ2
NICKEL	mg/L	ND (0.02
POTASSIUM	mg/L	8
SELENTUM	mg/L	ND (Ø. ØE
SILVER	mg/L	ND (0.005
SODIUM	mg/L	3400
TOTAL ORGANIC CARBON 1	mg/L	9
TOTAL ORGANIC CARBON 2	mg/L	8
TOTAL ORGANIC CARBON 3	mg/L	9
TAL ORGANIC CARBON 4	mg/L	9
AL DRGANTC HALDGEN 1	Mg/L	0.14
TOTAL ORGANIC HALOGEN 2	mg/L	Ø. 17 Ø. 19
TOTAL ORGANIC HALDGEN 3	mg/L	0.23
TOTAL ORGANIC HALOGEN 4	mg/L	ND (0. 0001
2,4 - D	Mg/L Mg/L	ND (0. 0001
LINDANE	Mg/L	ND (0. 0001
METOXYCLOR	mg/L	ND (0. 0001
TOXAPHENE	mg/L	ND (0. 0004
2.4.5 - T	mg/L	ND (Ø. 0001
E1714 1	y , L	

WELL NAME

DATE

#### I.T. CORP. - VINE HILL SITE 1987 4th QUARTER GROUNDWATER MONITORING RESULTS

DOTE: 01/15/88

DAIL.		
ID NUMBER *		11241200
DUPL I CATE		
S IC ELEVATION	feet	3.77
TEMPERATURE	degr <b>ees</b> C	17.70
pH FIRST READING	รบ	€.79
PH SECOND READING	SU	6.51
PH THIRD READING	SÜ	6.51
PH FOURTH READING	SU	6.61
SPECIFIC CONDUCTIVITY #1	umhos/cm	21000
SPECIFIC CONDUCTIVITY #2	uhmos/cm	21200
SPECIFIC CONDUCTIVITY #3	uhmos/cm	21100
SPECIFIC CONDUCTIVITY #4	unihos/cm	21100

UNITS

MW-219

11/24/87

#### TÉCHNOLOGY CORPORATION

# FACILITIES AND EQUIF ATTACHMENT WEEKLY INSPECTION REPORTS

VINE HILL TREATMENT FACILITY

DATE	2/11/00	τιιλΕ:	(715	PREPARED	BY: WAH	CHE 01	i i	
	. ,						Condition Good	Remedial Action Needed
А. <u>Сн</u>	EMICAL PHYSICAL, BI	OLOGICAL	TREATMENT	HOLDING TANKS				
	ischarge control and sa rainage systems,							WYC
2 h	coper operation. Contoning equipment su Te treatment process or	ch as press	ure and tempe	erature gauges are op	erating property		wac	
3. A	lı pumps, lines, lunra, vi akš, Cumosiun, ür ülher	essels, and	related equipm		_	ē oi	hyc	
4. C	io dialerialo Noistralia noisulla es	the dischar	ge confinemer	nt structures (dikes, let e (e.g., wet spots or de	vees, berms, et ad vegetation).	c.) are	hie	
8 <u>510</u>	RACE TAINNS (NOOH, I	Peroxide, D	iesel) '				لهرب	
	onstruction materials of Ther detenoration.	the lanks o	r storage vessa	et are tree of signs of t	eakage, corrosi	ion, or	ω ,	
2. C	onstruction materials of se of signs of erosion of	the dischar	ge confinemer gns of leakage	nt structures (dikes,1ev (e.g., wet spots or dea	vees, berms, ele ad vegetation.)	c.) arė		L <sub>4</sub> ~
	Ondoning equapment suc this are being operated				erating properly	, and	wyz	
	ຣັດກສເຊືອ ວັດກໍໄຕປ ອຊິນເກີກ ພິເກີສີບົວ ຮຽນໄປກາຣີ, ສີເອີ ວັກ			tut-on systems, by-pas	s systems, and	.*	we	
o. suf	FACE IMPOUNDMENT	<u>S</u> (Ponas)						
CC	ië ëntire sunace inpoun Infinement structurës (ë Gns of erosion, leakage,	g., dikes, le	vees, berms, e	truction material of the etc.) and surrounding v	e discharge vegetation is tre	e of	wic	
2. A	i surface impoundment renopoing of the dike by	s are mainta overtilling,	iined with at le wave action, o	or a storm. (Pond 1	ard to prevent 03 is maint	ained		1014C
S Al	ith 'át Teast four' Labbouldied pullips, þiþ Gíb ól delendialión.	feet of	treeboard.	. )			wac	,
D. C <u>DI</u>	TAINEN/DAVIA STORA	GE AREA		•			Line	
1. Al	containers (arums, car	ooys, portar	ole tariks, etc.)	are tree of signs of lea	akage or corros	ion.		
t.	intamèrs are property st idence at off-gasing or i orage area.	ored with re other potent	gard to chemi hally harmful c	ical compatability, and hemical reactions in the	there is no ne container			シャー
		idly Closed (	or otherwise co	overed when not in us	e.		wic	
E <u>SE</u> C	URITY						wy -	
	oess gales and lending mauthorized entry.	nave been	inspected and	are closed and maint	ained properly	lo	W (	
i iliCii	VERATOR						64C	
	e complete momerator a aks, spills and tugitive e		led equipment	(pumps, valves, pipes	, elc.) are fr	ee of	<b>,</b>	
2. Al	i emergency shudown i	วดกแอโร แกด	ı system alarm	s have been checked	and are operat	ing	wic	

CORPORATION

# FACILITIES AND EQUIPMENT WEEKLY INSPECTION REPORT

VINE HILL TREATMENT FACILITY WAH දිරි 1300 CHEONG じっし 01 THAE PREPARED BY: Renicolal Condition Action Good Needed A CHEMICAL PHYSICAL, BIOLOGICAL TREATMENT/HOLDING TANKS 1 year 1. Discharge control and salety equipment (e.g., waste feed cut-off systems, by-pass systems, drainage systems, and pressure relief systems) have been checked for proper operation. This hitching equipment such as pressure and temperature gauges are operating properly, and the treatment process or equipment is being operated according to its design. All periods, thies, think, vessels, and related equipment for the treatment process are free of سصهرا leaks, conosion, or other signs of deterioration. 4. Construction materials of the discharge confinement structures (dikes, levees, berms, etc.) are 1242 tree of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation). B. STORACE TANAS (NaOH, Peroxide, Diesel) 1. Construction materials of the tanks or storage vessel are free of signs of leakage, corrosion, or Office acidnoration. 2. Construction materials of the discharge confinement structures (dikes, levees, berms, etc.) are free of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation.) ് 5 - Mondonny പ്രൈment such as temperature and pressure gauges are operating properly, and tufins are being operated according to their design. 4. Discharge control equipment, such as waste feed curron systems, by-pass systems, and uramage systems, are operating properly. C. SURFACE IMPOUNDMENTS (Ponds) w4e 1. The entire surface inpoundment including the construction material of the discharge confinement structures (e.g., dikes, levees, berms, etc.) and surrounding vegetation is free of signs of erosion, leakage, or other deterioration. wye All surface impoundments are maintained with at least two feet of freeboard to prevent Everyopping of the dike by overfilling, wave action, or a storm. (Pond 103 is maintained with at least four feet of freeboard.) 3. All applicated purities, piping, hoses and related equipment are free of leaks, corrosion, or اسعوم بالمامانية المناطبة المسترادة D. CONTAINEN/DAUM STORAGE AREA wyco 1. All containers (drums, carboys, portable tanks, etc.) are free of signs of leakage or corrosion. 2 Containers are properly stored with regard to chemical compatability, and there is no evidence of off-guoing or other potentially harmful chemical reactions in the container ર્ગાળકહેલ તોલહ wya 5 mil containers are adequately closed or otherwise covered when not in use. E. SECURITY ساح All access gutes and tending have been inspected and are closed and maintained properly to limit unauthorized entry F. INCINERATOR 1. The complete incinerator and associated equipment (pumps, valves, pipes, etc.) are free of leaks, spills and lugitive emissions.

A continue on at arms have been checked and are operating.

	IT Corporation - Vine Hill Treatme				87098	.400	Art many		
ľ	896 Waterbird Way, Martines, CA S Generator's Phone (415) 372-9100	94553			te Generator's ID				
L	5. Transporter 1 Company Name 6	. US EPA ID Numbe	er		RO + 3 6 0 te Transporter's ID	7			
	IT Transportation	C A D 999 9 9 5	8 9 1 7	D. Tra	nsporter's Phone (	415)	372-910		
	7. Transporter 2 Company Name 8	L 'US EPA ID Numbe	er	<u> </u>	te Transporter's ID				
-	Designated Facility Name and Site Address	O. US EPA ID Numbe	<u> </u>	4	nsporter's Phone		<del></del>		
	Gibson Refinery	. OG EL A ID HUMBE	01	1		1 1			
١	End of Commercial Drive			H. Fac	cility's Phone		<del></del>		
L	Bakersfield, CA 93308	C  A  D  9 8 0 8 8	12. Cont		805) 327-0		<del></del>		
	11. US DOT Description (Including Proper Shipping Name, Hazard	Class, and ID Number)	No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste i		
ŀ	a.								
l	WASTE OIL, NOS, COMBUSTIBLE LIQUI	D, NA 1270	0 0 1	TT		G	EPA/Other		
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	J. Additional Descriptions for Materials Listed Above WASTE FUEL FROM TANK 2 See attache	ed analytical da	ita)	c.	-	d.			
	WASTE FUEL FROM TANK 2 See attache	ed analytical da	ita)	c.					
	WASTE FUEL FROM TANK 2 See attached		· · · · · · · · · · · · · · · · · · ·	c.	EV EVD#				
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	WASTE FUEL FROM TANK 2 See attached  15. Special Handling Instructions and Additional Information  USE PROPER PROTECTIVE CLOTHING WHITE  16.  GENERATOR'S CERTIFICATION: I hereby declare that the	EN HANDLING MATE	RIAL.	nd accu	rately described a	d.			
	WASTE FUEL FROM TANK 2 See attached  15. Special Handling Instructions and Additional Information  USE PROPER PROTECTIVE CLOTHING WHITE  16.  GENERATOR'S CERTIFICATION: I hereby declare that the name and are classified, packed, marked, and labeled, a international and national government regulations.	EN HANDLING MATE	RIAL.	ind accu	rately described a	d.	ling to applic		
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N CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7660

UNIFORM HAZARDOUS 1. Gene	erator's US EPA ID No.	Man st	2. Pa	00 1 mm	Sacrament ation in the shaded
WASTE MANIFEST	وا حا حا عا ما ما ما ما ما ما	Document No.	of	is not r	equired by Federa
3. Generator's Name and Mailing Address	<del></del>		A. State	Mantiest Docum	nent Number
IT Corporation - Vine Hill T	reatment Complex			7098 Generator's ID	
896 Waterbird Way, Martinez, 4 Generator's Phone (415) 372-9100	UA 74333	W. Commercial Commerci	4. 4. 5.00	The second of the second	007080
5. Transporter 1 Company Name	6. US EPA ID Num		C. State	Transporter's i	80170
IT Transportation	T C/A D/998, 0.0 5	8917	D. Trans	porter's Phone	(415) 372-9
7. Transporter 2 Company Name	8. US EPA ID Numi	ber	نند ا	Transporter's II	D. •
9. Designated Facility Name and Site Address	10. US EPA ID Num	tory		porter's Phone	<u> </u>
Gibson Refinery	10. OO EFA ID HUITI	001	L.		18183/171
End of Commercial Drive				ty's Phone	
Bakersfield, CA 93308	1 C  A  D  9  8  0 8			05) 327-	
11. US DOT Description (Including Proper Shipping Nam	ne, Hazard Class, and ID Number)	12. Conta	1	13. Total Quantity	Unit Was
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J. Additional Descriptions for Materials Listed Above WASTE FUEL FROM TANK ZaSee a		ata)	a. C.	01	Wastes Listed Above b.
	ttached analytical d	ata)	2	01	Wastes Listed Above b. d.
J. Additional Descriptions for Materials Listed Above WASTE, FUEL FROM TANK Z. See a  15. Special Handling Instructions and Additional Information	8154-4	ata)	a. C.	01	Wastes Listed Above b. d.
WASTE FUEL FROM TANK ZSEE a	8/54-4		c	3016	d.
WASTE FUEL FROM TANK ZESee a	8/54-4		c	3016	Wastes Listed Above b. d.
WASTE FUEL FROM TANK Z See a 15. Special Handling Instructions and Additional Informatius PROPER PROTECTIVE CLOTHING.	NG WHEN HANDLING MAT	ERIAL. R	c. Ale	01 30/6. XEMPT.	d. 59
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Health and Welfare Agency

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Department of Health Services

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IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650



# TRANSPORTATION SERVICE ORDER

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12/11/86

# DAILY INSPECTI REPORT

ATTACHMENT J:

DAILY INSPECTION REP 10 PAGES

VINE HILL TREATMENT FACILITY

·					·
DATE: 2/29/88	TIME: 1200	/2200 NAME:	WAYNEAKIN	IST/GIL	SOHNSON
		· ·		Condition Good	Remedial Action Needed
A. CHEMICAL, PHYSICA	L, AND BIOLOGICAL TRE	ATMENT			
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	nt (e.g., pressure and tempend the treatment process o			SA	·
3 All system alarms ha	ve been checked and are o	operating properly.		194	
E STORAGE TANKS (Nac	OH, Cl <sub>2</sub> ,H <sub>2</sub> SO <sub>4</sub> , Diesel				
Discharge control equip systems) are operating p	ment (e.g., waste feed cut- properly.	off systems, by-pass syste	ms, and drainage	94	
C. SURFACE IMPOUNDS	MENTS (Ponds)				
	are maintained with at lea, wave action, or a storm. (			WAY.	
D INCINERATOR		•			
	rator and associated equips and fugitive emissions.	ment (pumps, valves, con	veyors, pipes, etc.)	8g	
<ol><li>Emergency shutdow properly.</li></ol>	n controls and system alar	ms have been checked a	nd are operating	ng	
E. EMERGENCY EQUIPT Systems, Air Pacs, etc.	MENT (Safety Showers/Eye	ewashes, Fire Extinguishe	rs, Page/Phone	160	
Emergency equipment	has been checked and is i	n proper operating conditi	on.		<u> </u>
Remedial Action Needed Work Order #	Maintenance Request	Remedial Action Taken	Date Completed	Signature	<u> </u>
			ŕ		
•					
•					
	<u> </u>	<u> </u>		<del>]                                    </del>	



#### DAILY INSPECTION REPORT

(Pond Levels)

--INTERIM FORM--

#### Actual Freeboard

Pond 100

Pond 101

Pond 102A

Pond 103

Pond 104

Pond 105

Pond 106

FEET

2 20

2 10

2 30

4 00

2 50

2 10

7 10

7 10

NAME: WAYNE A KINDT

DATE: 2/29/88

TIME: 1420

OPS4/24/87 Rev. 1/4/29/87 اريو

	DAILY INSPECTION	REPORT	VINE HIL	L TREATMEI	NT PLANT		•		~
DATE: <-/	2/88 TIME: 0900 N	AME(print)	: /0	SENSTILL	SIGNA!	rure:	lon	Tari	
- constant and had		d R=remed	,	•				REVISE	D
A. Receiving,	Storage, and Treatment Syste		•	LE ONE OR	(AFTER	STORM INSP	ECTION [	<b></b> )	
•	•	ATV-1	TV - 1.1	TV 12	mv 13				

1.	Waste	feed	shutoff	system	*NA
----	-------	------	---------	--------	-----

- 2. Drainage system
- 3. Pressure relief system (PVRV's)
- 4. Tank level (feet, inches)
- 5. Alarm system (on MIP) R 6
- 6. Signs of leakage from tanks or piping?
- 7. Any evidence of corrosion on tanks or piping?
- 8. Chemical hazards placard legible and in good condition?
- 9. Any signs of seepage from containment structure?

Δ	ATK-1		7	K-11	TK-12		TK	TK-13		TK-14		TK-15		TK-16		-17
R	(	5	R	G	R	G	R	C	R	G	R	G	R	G	R	G
R	(		R	( <b>c</b> )	R	<b>(</b> c)	R	( <b>c</b> )	R	<b>©</b>	R	<b>(c</b> )	R	<b>©</b>	ı	Ĉ
	N/A		R	(G	R	Ø	R	<b>(C</b> )	R	<b>©</b>	R	<b>©</b>	R	<b>(c</b> )	R	Ç
	1'		11	16"	10	)'7"		<u>'</u>	1	'Y"	1	. 1	2	1 /	1	<u>'</u> 2"

Y	(N)	Y	N	Y	N	Y	N	Y	N	Y	(N)	Y	(II)	Y	N
Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y		Y	(I
N	Y	ĸ	<b>(Ý</b> ) .	N	<b>(Ý</b> )	Н	Ŷ	И	Ŷ	N	•	M	<b>(T)</b>	M	T
Y	N	Y	N	Y	N	Y	N	Y	· (N)	Y	(1)	Y		Y	1

<sup>\* -</sup> N/A. No Offloading; Power is shut off.to this system.

Description of Remedial Action Needed	Maintenance Request Work Order 1, if needed	Description of Remedial Action Taken	Date Completed	Supervisor Signature
·				

## A. Receiving, Storage, and Treatment Systems (continued)

1.	Waste	feed	shutoff	system	*(NA)

- 2. Drainage system
- 3. Pressure relief system (PVRV's)
- 4. Tank level (feet, inches)
- 5. Alarm system (on MIP)

T	-		9	-				ı
	Ð						•	ı
	ĸ					ı	. 1	ı
						-	- 1	ı

TK-18

(N)

Y (N)

TK-19

TK-20

(Y)

- 6. Signs of leakage from tanks or piping?
- 7. Any evidence of corrosion on tanks or piping?
- B. 'Chemical hazards placard legible and in good condition?
- 9. Any signs of seepage from containment structure?

		U				G	K	U		U	l n	/A		/A .		A
	R	<b>(c</b> )	R	<u>(C)</u>	R	(C)	R	<b>(C)</b>	R	<b>(C)</b>	N	/A		I/A	W/	À
	R	<b>(c</b> )	R	<b>(C)</b>	R	<b>©</b>	R	<b>(C</b> )	R	<b>(C)</b>	M	/A	N	I/A	14/	<u>.</u>
	7	2"	6	(3"	8	19"	10	0/10"	2	06"	4	17"	3	'4"	9'9	7/
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			داولیا بنوبس ام ام					,							•
	Y	(N)	Y	N	Y	N	Y	(N)	Y	N	Y	Û	Y		Y	(
1																-

(Y)

(N)

TK-21

TK-22

(X)

1

<sup>\* -</sup> N/A. No Offloading. Power is shut off to this system.

#### B. Surface Impoundments

- 1. Impoundment freeboard (feet)
- 2. Dikes, levees, and berms free of signs of erosion or deterioration?
- 3. Discharge pumps and piping are in good working order?

100		10	1	102A		10	3	10	4	10	5	106	
2	.40	2	.30	2	.10	4	<b>.</b> C5	2	<b>.</b> 20	2	•10	2	./5
	N						1			i .			
Y <i>N</i> //	N A	Ø)	N	Ø	N	Œ	N	Ø	N	(I)	М		M

C. Incinerator-Boiler N/A. Unit is not in operation,

1. Piping and pumps are free of leaks or signs of corrosion?

YES NO

2. Visible emissions from stack?

YES NO

3. Emergency alarms appear to be in good operating condition?

YES NO

### D. Container/Drum Accumulation

1. All drums are free of spills, leaks, swelling, corrosion or damage?

(ES) NO

2. All containers are kept closed or othewise covered when not in use?

S NO

# E. Security

1. Gates are properly secured?

YES

BO

# F. Emergency Equipment - Safety Showers/Eyewashes

- 1. Showers and eyewashes checked to be in good working condition.
- 2. All are accessible without obstructions.
- 3. Water has been run for at least 5 seconds or until water is clear.

### SAFETY SHOWERS/EYEWASHES

	Work? - Working?				Access? - Accessible?							Clear? - Water Clear?							
	Work?	Access?	Clear?			Wor	k?	Acc	ess?	Clea	ar?			Wo	rk?	Acc	ess?	Cle	ar?
1.	(Y) N	Y N	(Ý) N		11.	(1)	N	1	N	<b>(?</b> )	N		21.	(3)	N	<b>(Y)</b>	N	$\mathbf{\hat{V}}$	H
2.	Ý N	(y) N	(Ý) N		12.	<b>(Ý)</b>	N	<b>(V</b> )	Ŋ	<b>(%)</b>	N	]	22.	(V	N	Ŷ	N	Ŷ	N
3.	Ý N	(v) N	(Y) N		13.	$\hat{\mathbf{v}}$	N	0	N	<b>(Y)</b>	N		23.	( <del>Q</del> )	N	9	N	Ŷ	N
4.	(Ŷ) N	(v) N	(Ŷ) N		14.	(Ý)	N	<b>(v)</b>	N	(3)	N		24.	(0)	N	Ŷ	N	<b>(Y)</b>	N
5.	(Y) N	Ŵ N	Y) N		15.	<b>(y</b> )	N	<b>(Y)</b>	N	W.	N		25.	<b>②</b>	N	<b>②</b>	N	<b>(Y)</b>	И
6.	(v) N	(Y) N	(Y) N		16.	<b>(Y</b> )	N	<b>Ý</b>	N	<b>(V</b> )	N		26.	<b>(?</b> )	N	Ŷ	N	Ŷ	N
7.	(Ý) N	Ŷ N	Y N		17.	<b>(y</b> )	N	<b>(Ý)</b>	N	Ŷ	N			, ¥.	N	Y	N	Y	N .
8.	(Ŷ) N	ŵ и	Ý N		18.	<b>(y</b> )	N	<b>(v)</b>	N	<b>(x)</b>	N			V	N:	Y	И	Y	N
9.	(Y) N	(V) N	Y N		19.	(Ý)	N	<b>(Y)</b>	И	<b>②</b>	N			Y	N	Y	N	Y	N
10.	(Y) N	(Y) N	(Y) N		20.	(Y)	N	<b>②</b>	N	<b>(P)</b>	N			Y	N	Y	N	Y	N

# LOCATION OF SAFETY SHOWER AND EYE WASH (REVISED 5/20/88)

234567890 1112314 15	West Side of IT Oil Boiler Building Inside SRS Containment Inside Acid Berm Outside Acid Berm, Northside Next to Durco Pump #3 East Side Hydrogen Peroxide Berm North End of Durco 1 & 2 Pit South End of Durco 1 & 2 Pit East Side of Tank T-17 North East Side of Tank T-12 Acid Tank T-1 Unload Station Tank T-14 Unload Station Between Tank T-18 & T-20 Unload Station Operation Laboratory South Side of Motor Control Center	Shower Shower Shower Shower Shower Shower Shower Shower Shower Shower Shower Shower	ن فن ن ن ن ن ن ن ن ن ن ن ن ن ن ن ن ن ن	Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash
18 19 20 22 23 24 25 27 29 29	South East Corner Boiler Water Treatment Building West Side of Heat Exchanger Drum Storage Area in Fab Yard Inside Pilot Plant Containment East Side Filot Plant Containment Across from Impoundment 103 Pump North East Corner Impoundment 106 Men's Bathroom, Inside Maintenance Bldg South of Tank T23 and T24 On Fence North of Oil Separator Open Open Open	Shower Shower Shower Shower Shower Shower Shower	లు లు లు లు లు	Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash Eyewash

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#### 5. DAILY INSPECTION PROCEDURES

The following outline identifies the equipment to be inspected and the types of problems which are looked for by the inspector. A line-by-line explanation of the Daily Inspection Report is provided below.

#### A. RECEIVING, STORAGE AND TREATMENT SYSTEMS

- 1. Waste feed shut-off system. Operate each truck unloading valve by activating the valve switch. The valve should close quickly and smoothly.
- 2. Drainage system. Check that the drainage system is operating properly.
- 3. Pressure relief system (PVRV'S). Check that the PVRV'S on each tank are operational by moving the plungers up and down.
- 4. Tank level. Record the current tank liquid level.
- 5. Alarm system. Check alarm lights on main instrument panel by activating test switch.
- 6. Signs of leakage from tanks or piping. Check for evidence of a leak from the tank and its associated piping.
- 7. Any evidence of corrosion on tanks or piping. Check for any evidence of external corrosion (such as discoloration, pitting, or scaling) on tanks and piping.
- 8. Chemical hazards placard legible and in good condition. Verify that the placard is free of dirt and grease and nothing is covering the identification.
- 9. Any signs of seepage from containment structure.

  Look for evidence of any liquids found outside the containment structure that may have seeped out.

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#### B. SURFACE IMPOUNDMENTS

- 1. Impoundment freeboard. Record levels of actual freeboard in feet and tenths of a foot.
- 2. Dikes, levees, and berms are free of signs of erosion or deterioration. Check for any erosion or signs these structures may be deteriorating.
- 3. Discharge pumps and piping are in good working order. Check for any signs of leaks, corrosion, or deterioration in piping and pumps.

#### C. INCINERATOR - BOILER

- 1. Piping and pumps are free of leaks or signs of corrosion. Check for evidence of leaks or corrosion on feed pumps, valving, and piping.
- 2. Visible emissions from stack. Check for any visible emissions from the stack.
- 3. Emergency alarms appear in good operating condition. Taylor system alarms are self-diagnostic check for any alarm modes.

# D. CONTAINERS/DRUMS

- 1. All drums are free of spills, leaks, swelling, corrosion, or damage. Check all product and waste drums for these signs.
- 2. All containers are kept closed or otherwise covered when not in use.

## E. SECURITY

1. Gates are properly secured. 'Check that all gates not in use are secure and locks are locked.

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# F. EMERGENCY EQUIPMENT

- 1. Showers and eyewashes checked to be in good working condition. Operate shower and eyewash to test for good flow of water.
- 2. All are accessible without obstructions. Check that no physical obstructions exist in getting to safety showers or eyewashes.
- 3. Water has been run for at least 5 seconds or until water is clear. Check that water going to showers is clean and usable.

```
Subpart
                                                                 45 PAGES
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            Conte,
  265:
                                              Date:
       Interim status qualifications
                                                      International Technology Corp
                                          Facility:
  2
       Loss of interim status
 El
       Required notices
 Bl
       General waste analysis
 B3
       Security
                                                       896 Waterbird Way
 B3
       General inspection requirements
 B4
       Personnel training
                                                        Martinez, CA 94553
 B5
       Ignitable/reactive/incomp. wastes
                                           Site reps:
 Cl
       Preparedness-equipment & alarms
                                                        CAD 000094771
 C2
       " - aisle space and arrangements
 Dl
       Contingency plan
 D2
        " - emergency coord. & proceedures
 D4
        " - reporting
 El
       Manifest system and recordkeeping
 E2
       Operating record
 E3
       Biennial report
 Fl
       Ground-water monitoring - records
 F3
       Facilities affecting GW quality
                                                  Also: Generator
 Gl
       Closure plan
 G4
       Post-closure plan
 G 5
       Closure activities
                                                             Transporter
 G6
       Closure certification
 G7
       Post-closure certification
 Hl
       Closure cost estimate
 H2
       Financial assurance for closure
 H3
       Post-closure care cost estimate
 H4
       Financial assurance for post-closure
 H5
       Liability requirements
 Il
       Containers (S01)
 Jl
       H.W. Tanks (S02)(T01)
 J3
             - assessment for leaking
 J 4
             - new systems
 J 5
                           corrosion cert.
           - secondary containment
 J6
 J9
              leaks, spills, unfit for use
 J10
           - repair, containment, retrofit
 K1
       Surface impoundments (S04)(T02)(D83)
 Ll
       Waste piles (S03)
 Ml
       Land Treatment (D81)
 Ml
               " - unsaturated zone monit.
               " - food chain crops
 м3
       Landfills (D80)
 Nl
 N2
           - ignitable/reactive & drums
 N3
           - liquids
 N4
          - lab packs
 01
       Incinerators (TO3)
 Ρl
      Other Thermal treatment (TO4)
 P2
      Open burning of explosives (TO4)
√Q1
      Chemical/physical/biological (T04)
 266: Cl Recyclable mtls/ use as disposal
      Dl H.W. burned for energy recovery
      El used oil "
     Fl Precious metals being reclaimed
      Gl Lead-acid batteries being reclaimed
 268: Land disposal restrictions
 280: Underground product storage tanks
```

ATTACHMENT K:

TON CHECKTIZIZ

# Interim Status: (Part 270 Subpart G)

	<u>Yes</u>	No	Comments
For the existing HWM facility to be treated as having been issued a permit, has the facility:			
Obtained an EPA Identification number by submitting a Notification of Hazardous Waste Activity? and/or: 265.11, 270.70(a)(1)	• <u>*</u>		
Complied with the 270.10 deadlines for Part A submissions*? 270.70(a)(2)	X		Date(s): November 1980
Completed the Part A per 270.13? 270.70(b)			
Not previously been denied a RCRA permit or interim status? 270.70(c)	<u> </u>	-	
Has the facility complied with the following restrictions while operating under interim status: 270.71(a)-			
(1) Has only treated, stored or disposed of H.W. specified in the Part A?	<u></u>		
(2) Has only employed processes specified in the Part A?	<u>X</u>		
(3) Has not exceeded design capacities specified in the Part A?	不		
Has a revised Part A been submitted prior to the following changes: 270.72-			revised Part A Jub milted 1-20-87
(a) T/S/D of H.W. not previously identified in the Part A?			n/a
(b) Increases in design capacity of processes?			n/a
(c) Changes in or additions to processes?		XX	duto deletion of Pondio 28
(d) 90 days prior to change in ownership?			m/a ser 1,665519
(e) Have the changes made not amounted to reconstruction? (>50% of costs for an entirely new facility, except for changes made solely for complying with new 265.193 (tanks).)	*		covered in Consent Agreement 78-86 Section III. 6-3.

<sup>\*</sup>earliest applicable of: 11/19/80, 6 months after new reg's published, 30 days after they first become subject to reg's. (270.10(e)(i)-(iii)(3))

### <u>Interim Status</u> - Cont. (Part 270 Subpart G)

Termination of interim status:	<u>Yes</u>	<u>No</u>	Comments Facility 1950ld per mr 9-26-83
Did the facility submit a requested Part B in full, and on time? 270.10(e)(5), 270.73(b)	X		for the atment & storage in tanhs & containers.  15 D issued 4-6-81 for
For land disposal facilities granted interim status prior to 11/8/84, did the facility submit before 11/8/85: 270.73(c)-			disposal in incinerator & treatment, storage, disposal
(1) Part B of the permit application?	X		in surface impaindments submitted 3-14-83
(2) Certification of compliance with all applicable ground water monitoring and financial responsibility requirements?			not evaluated
For land disposal facilities granted interim status after 11/8/84, did the facility submit within 12 months: 270.73(d)-			$\eta_{a}$
(1) Part B of the permit application?		,	
(2) Certification of compliance with all GW monitoring and financial responsibility requirements?		·	
For incinerator facilities, did the facility submit a Part B before 11/8/86? 270.73(e)	<b>—</b> X		
For any other facility, has a Part B been submitted?* 270.73(f)	(X		)
See also surface impoundments (265.221(b), p. Kl) and landfills (265.301(b), p. Nl).	·		
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\*If not submitted prior to 11/8/88, interim status will terminate on 11/8/92.

12-1-87